**Goal 5 HW #2**

1. Describe the differences between the following points.

(-2, 5), (3, 6), (4, -1), (-3, -2), (6, 0), and (0, -7)

Determine the orders pairs that are solutions to the following equations

2.

a. (2, 4) b. (-2, 4) c. (-3, -2) d. (0, 8)



3. (when plotting, each line is 2 units not 1)

a. (14, 4) b. (8, 8) c. (20, 0) d. (2, 12)



4. Find the range of the given equation, , if the domain {-4, -2, 0, 8, 12}

5. Find the range of the given equation, , if the domain is {-3, 0, 2, 9}

***Complete the following tables, plot the solutions, and draw a line through the solutions.***

**6. 7.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** |  | **y** | **(x,y)** |  | **x** |  | **Y** | **(x,y)** |
| **-4** |  |  |  |  |  |  | **-10** |  |
| **0** |  |  |  |  |  |  | **-3** |  |
| **2** |  |  |  |  |  |  | **0** |  |
| **5** |  |  |  |  |  |  | **6** |  |



**8. 9.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** |  | **y** | **(x,y)** |  | **x** |  | **y** | **(x,y)** |
| **-6** |  |  |  |  |  |  | **-3** |  |
| **-2** |  |  |  |  |  |  | **0** |  |
| **0** |  |  |  |  |  |  | **3** |  |
| **2** |  |  |  |  |  |  | **9** |  |



**10. 11.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** |  | **y** | **(x,y)** |  | **x** |  | **y** | **(x,y)** |
| **-8** |  |  |  |  |  |  | **-3** |  |
| **0** |  |  |  |  |  |  | **0** |  |
| **4** |  |  |  |  |  |  | **3** |  |
| **8** |  |  |  |  |  |  | **8** |  |



**12. 13.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** |  | **y** | **(x,y)** |  | **x** |  | **y** | **(x,y)** |
| **-10** |  |  |  |  |  |  |  |  |
| **0** |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |  |

